

Abstract

It is an object to propose a way to assign channelization that is applicable to a case in which the number of multiplexing of DPDCHs (Dedicated Physical Data Channels) is at least five for overshoot of HPSK (Hybrid Phase Shift Keying) modulation. Assignment of channelization codes is set as follows. For all possible combinations of channelization assigned to given data channels and control channels, a transition θ_1 from the first chip to the second chip and a transition θ_2 from the third chip to the fourth chip are obtained. For each transition, 0 degrees or 180 degrees is desirable, and 90 degrees is the worst, so that a combination is obtained in which squares of sine of respective transitions become the smallest. Consequently, by obtaining a combination that makes $\sin^2 \theta_1 + \sin^2 \theta_2$ the smallest, the one that is close to the most desirable combination can be obtained.